

40 CHANNEL NETWORK VIDEO RECORDER

HD-NVR-5440I



- **40 CH NVR** – 400Mbps Incoming / 400Mbps Outgoing Bandwidth
- **Max Resolution** – 16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
- **Compression** – Smart H.265+ / H.265 / H.264+ / H.264
- **Video Output** – HDMI Upto 4K & VGA up to 1080P
- **Multi Display** – 1/2A/2B/3/4/5/6/7/8/9/10/12/13/16/20A/20B/25/32/36/40
- **Playback** – 16 CH Simultaneous Playback
- **Storage** – 4× SATA Up to 10TB HDD Capacity
- **AI by Camera** – Tripwire, Double Tripwire, Perimeter, Object Abandon/Missing, Loitering, Face Detection, Running, Parking, Crowd Detection etc.



40 CH NVR
MULTI RECORDING



16 MP MAX
RESOLUTION



4 SATA SLOT
UPTO 10TB



400 MBPS
400 MBPS
INCOMING/OUTGOING
BANDWIDTH



AI FEATURES

SYSTEM OVERVIEW

This 40CH NVR supports up to 400Mbps incoming and outgoing bandwidth, ensuring stable data transmission. It delivers video output up to 16MP resolution with support for multiple formats. The system uses H.265+/H.264 compression for efficient storage. It supports up to 4 SATA HDDs with up to 10TB capacity per disk. Equipped with dual RJ45 network ports, it ensures reliable connectivity for large-scale surveillance systems. It supports multi-channel playback up to 16 channels for efficient video review. HDMI supports upto 4K and VGA upto 1080P.

ABOUT HIFOCUS

HI-FOCUS is a trusted leader in surveillance and networking solutions with more than a **Decade of experience** in CCTV Industry. We deliver innovative, reliable, and high-performance security products designed to meet global quality standards. Every HI-FOCUS product is engineered with precision and rigorously tested to ensure superior performance and customer satisfaction.





Central Monitoring System
Monitor Multiple Locations from One Powerful Platform

ONVIF Compatibility
Seamless Integration with Multiple IP Cameras & Systems



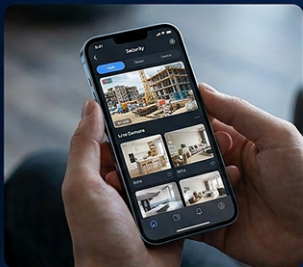
P2P Cloud Connectivity
Access your security system globally with unmatched ease and reliability.



Instant Access to Your Security



Real-Time Live View



Remote Access Anywhere



Replay Important Evidence



Flexible HDMI & VGA Connectivity
High-resolution output for sharper, clearer images





Your Data. Secure. Stored in India.

Reliable Cloud Storage with Local Data Protection & High Security Standards



Data Hosted in India



Enhanced Privacy & Compliance



Fast & Secure Access



Connecting to the cloud.

Secure Your Surveillance Today







40 CHANNEL NETWORK VIDEO RECORDER | HD-NVR-5440I

Video and Audio Performance

Supports 40 channels with 400 Mbps incoming and outgoing bandwidth. Handles resolutions up to 16MP with preview and playback decoding at 30fps. Includes 1 audio input, 1 RCA audio output, and 1 two-way audio channel.

Compression & Network Compatibility

Smart H.265+, H.265, Smart H.264+, and H.264 video compression standards. Audio is compressed via G711A, G711U, AAC, or ADPCM_D. Supports Android/iOS clients, web browsers, and ONVIF/Profile S/T/G compatibility.

Recording and Playback

Supports 16-channel playback with manual, alarm, and scheduled recording modes. Storage is local HDD with backup to USB or network, dual streaming supported. Playback features include play, pause, reverse, step, digital zoom, and video editing.

Alarm and Intelligent Analytics

General alarms include motion, mask, and NVR/IPC inputs. Exception notifications cover disk errors, network issues, video loss, and voltage alerts. AI detects tripwire, perimeter, crowd, helmet, smoke/fire, electric bicycles, and body temperature.

Face Recognition and VCA Features

Detects gender, age, glasses, face mask, and body temperature attributes. Supports up to 300 face libraries with 100,000 base images and comparison functionality. VCA search and reporting include heatmap, people counting, and attribute/event-based face search.

Storage, RAID, and Interface

Four SATA HDD ports support up to 10TB each, with RAID options (JBOD, RAID0/1/5/6/10). Interfaces include 1 USB2.0, 1 USB3.0, 2 RJ45 network ports, RS232, and RS485. Backup and network integration make it suitable for enterprise surveillance systems.



CORE FEATURES

Video and Audio

Channel	40
Incoming Bandwidth	400Mbps
Outgoing Bandwidth	400Mbps
Resolution	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Preview Decoding Capability	16MP(30fps)×2, 12MP(30fps)×3, 8MP(30fps)×5, 6MP(30fps)×6, 5MP(30fps)×8, 4MP(30fps)×10, 3MP(30fps)×13, 1080P(30fps)×20, 720P(30fps)×40, 4CIF(30fps)×40
Playback Decoding Capability	16MP(30fps)×2, 12MP(30fps)×3, 8MP(30fps)×5, 6MP(30fps)×6, 5MP(30fps)×8, 4MP(30fps)×10, 3MP(30fps)×13, 1080P(30fps)×20, 720P(30fps)×40, 4CIF(30fps)×40
Compatibility	ONVIF(Profile S/T/G), CGI, SDK, P2P
HDMI Output	HDMI: 800x600(60Hz), 1024x768(60Hz), 1280x720(50Hz/60Hz), 1280x800(60Hz), 1366x768(60Hz), 1440x900(60Hz), 1920x1080(50Hz/60Hz), 2560x1440(30Hz/60Hz), 2560x1600(60Hz), 3840x2160(30Hz/60Hz)
VGA Output	VGA: 800x600(60Hz), 1024x768(60Hz), 1280x720(50Hz/60Hz), 1280x800(60Hz), 1366x768(60Hz), 1440x900(60Hz), 1920x1080(50Hz/60Hz)
Multi-screen Display	HDMI: 1/2A/2B/3/4/5/6/7/8/9/10/12/13/16/20A/20B/25/32/36/40 VGA: 1/2A/2B/3/4/5/6/7/8/9/10/12/13/16/20A/20B/25/32/36/40
Audio Input	1CH
Audio Output	1CH, RCA
Two-Way Audio	1CH

Compression Standard

Video Compression	Smart H.265+, H.265; Smart H.264+; H.264
Audio Compression	G711A, G711U, AAC, ADPCM_D
Stream Type	Video, Video & Audio

Network

Network Protocol	ARP, DDNS, DHCP, DNS, Easy DDNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, Multicast, NFS, NTP, PPPoE, QoS, RTCP, RTP, RTSP, SMB/CIFS, SMTP, SNMP, SRTP, SSH, SSL, TLSv1.2, TLSv1.3, TCP/IP, UDP, Unicast, UPnP, 802.1X
Mobile Client	Android, iOS
Web	IE10+, Firefox52+, Edge89+, Safari11+, Chrome57+

Recording

Multi-channel Playback	16
Record Mode	Manual Recording, Alarm Recording, Schedule Recording
Storage Method	Local HDD
Backup	USB storage device, Network
Playback Function	Play/Pause/Stop/Reverse/Slow/Speed/Backwards 30s/Forwards 30s/Full Screen/Backup (Video Editing)/Step/Digital Zoom/Instant Replay
Dual Stream Record	Supported

Alarm

General Alarm	Motion, Mask Alarm, Alarm Input(IPC), Alarm Input(NVR)
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Exception Notification

Video Loss, Network Disconnected, No Disk, Illegal Access, Disk group space alert, Disk Full, Disk R/W Error, Recording Abnormal, Abnormal found in smart of disk, Abnormal temperature of the disk, Hot-spare Exception, Array Exception, Voltage Alarm(IPC), RTC Failure, IP Address Conflict, MAC Address Conflict, Disk Overload

Alarm I/O

16CH IN / 4CH OUT

Intelligent Analytics

AI by Camera

Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Missing, Running, Parking, Heatmap, Loitering, Video Abnormal, Audio Abnormal, On Duty Detection, Crowd Detection, Electric Bicycle Detection, People Counting, Link to Tracking, Smoke and Fire Detection, Environmental Temperature Measurement, Face Detection, Human Body Temperature Measurement, Smart Alarm, Face Recognition, Human/Vehicle Classification

VCA Search

Early-warning Search, Behavior Search, Thermographic Retrieval, Duty Search, Electric Bicycle Retrieval, Face Search (Search by face attributes/event)

VCA Report

Heatmap, People Counting, Face Statistics

Face Recognition

Face Attributes Detection

Gender, age, glasses, Face mask, Body temperature

Face Picture Library

Up to 300 face libraries
Up to 100000 base images

Face Picture Comparison

Supported

Storage

Hard Disk Capacity

4 SATA ports, up to 10 TB

RAID

JBOD, RAID0, RAID1, RAID5, RAID6, RAID10

INTERFACE

USB

1xUSB2.0, 1xUSB3.0

Network Interface

2 x RJ-45, 10/100/1000 Mbps self-adaptive Ethernet port

RS-232

1 x RS232



RS-485

1 x RS485

General

Power Supply

DC12V

Power Consumption

<15W(HDD not included)

NetWeight

3.3Kg

GrossWeight

5.05Kg

Boundary Dimensions

440(L)351(W)75(H)mm

Package Dimensions

540(L)175(W)455(H)mm

Operating Temperature

-10°C~+55°C

Operating Humidity

10%~90%RH

Storage Temperature

-20°C~+60°C (-4°F~+140°F)



Dimensions

